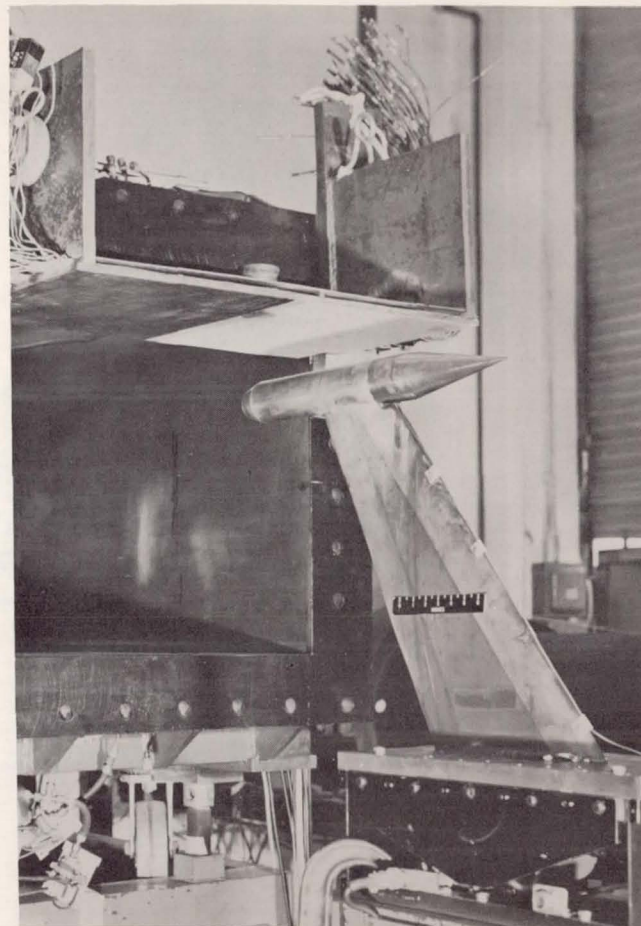
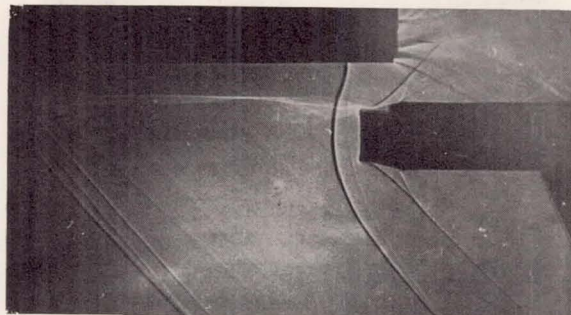


(a) Downstream firing. L-57-373

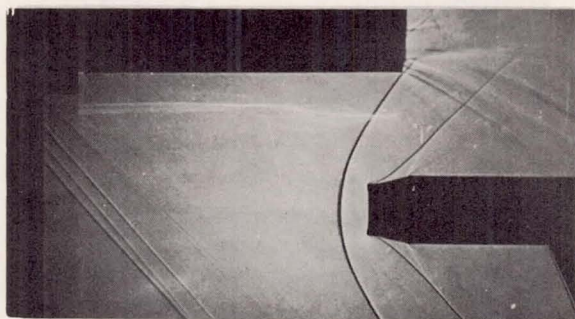


(b) Upstream firing. L-57-231

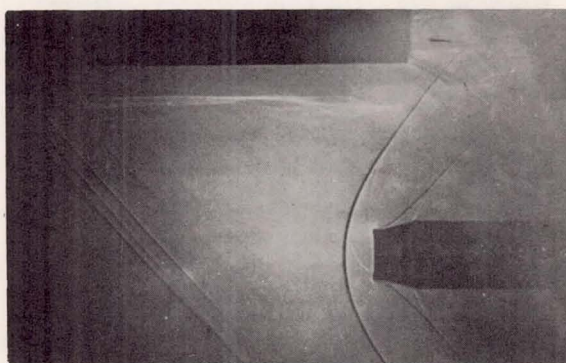
Figure 1.- Rocket mounted in two test positions beneath the flat-surface wing attached to the 27- by 27-inch preflight-jet nozzle.



Test position E



Test position F



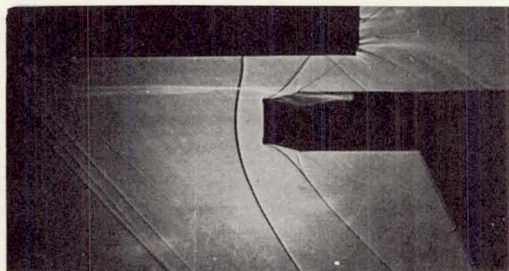
Test position G

(a) Test positions E, F, and G.

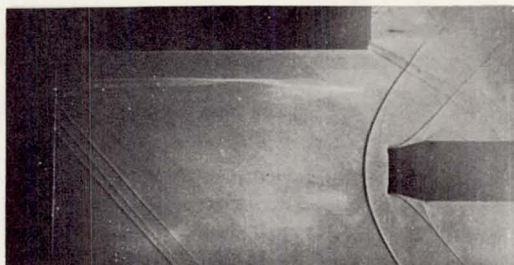
L-59-6016

Figure 9.- Shadowgraphs of the flow field about the rocket exit with jet off for test positions E, F, G, H, I, J, and K.





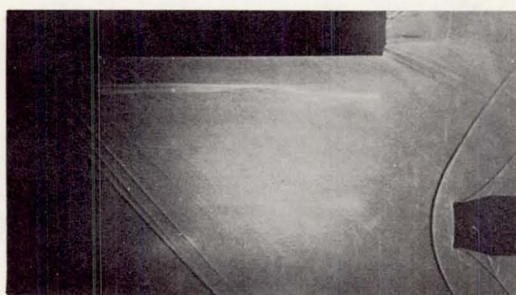
Test position H



Test position I



Test position J



Test position K

(b) Test positions H, I, J, and K.

L-59-6017

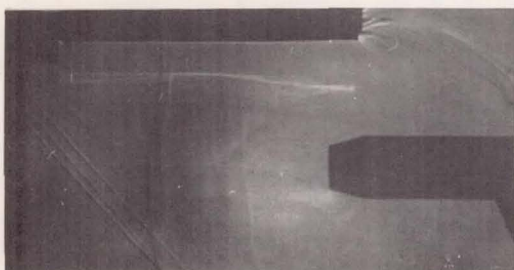
Figure 9.- Concluded.



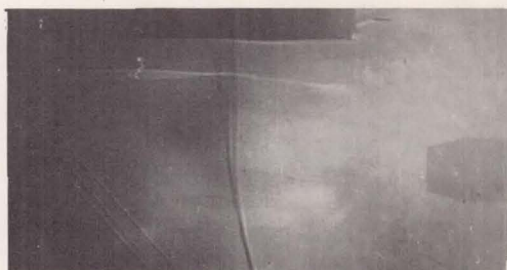
(a) Test position E.



(d) Test position I.



(b) Test position F.



(e) Test position J.



(c) Test position G.



(f) Test position K.

L-59-5100

Figure 11.- Shadowgraphs of the flow field about the rocket exit for a total-pressure ratio of 45 at test positions E, F, G, I, J, and K.